

Arrangement and Method for Recognizing a Predetermined Vocabulary in Spoken Language with a Computer

In speech recognition, phonemes of a language are modelled by a hidden Markov model, whereby each status of the hidden Markov model is described by a probability density function. For speech recognition of a modified vocabulary, the probability density function is split into a first and into a second probability density function. As a result thereof, it is possible to compensate variations in the speaking habits of a speaker or to add a new word to the vocabulary of the speech recognition unit and thereby assure that this new word is distinguished with adequate quality from the words already present in the speech recognition unit and is thus recognized.

~~Figure 1~~